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Ser 1813BD/00375
08 JUN 1990

Mr. Mark Malinowski
California Department of Health Services
Toxics Substances Control Division, Region 2
700 Heinz Avenue, Building F, Suite 200
Berkeley, CA 94710

Subj: REMEDIAL INVESTIGATION/FEASIBILITY STUDY QUALITY ASSURANCE/QUALITY CONTROL AT NAS ALAMEDA

This is a request to reduce the number of Quality Assurance/Quality Control samples for the Remedial Investigation/Feasibility Study (RI/FS) at the Naval Air Station (NAS) Alameda, as recommended by our contractor. We believe that this reduction, as shown below, would not affect the quality of the RI/FS data.

- **Replicates** - Reduce the number of replicate samples from 10% to 5% for all samples. Replicates are not required for volatile organic compounds (VOCs) in soils.
- **Sample Blanks** - Reduce the number of sample blanks from 10% to a minimum of 5% for water samples for both volatile and semi-volatile analyses.
- **Blind Samples** - Reduce the number of blind samples from 10% to a minimum of 5% of the samples sent to the laboratory.

Also, as discussed earlier, DHS believes that several geophysical analyses could be scaled back without impact to the data quality. It is requested that you send us a recommendation on what type of geophysical analyses could be scaled back from what is originally identified in the RI/FS Sampling Plans. Enclosure (1) is a list of the current geophysical and chemical sampling requirements for sites included in Phase 2B thru 6 of the RI/FS at NAS Alameda.

Thank you for considering our requests and for your continued guidance and involvement in the IR program. Please direct any questions to Commander, Western Division, Naval Facilities Engineering Command (Attn: Ms. Bella G. Dizon, Code 1813BD, (415) 877-7510).

Sincerely,

Original signed by:

RICHARD SERAYDARIAN
Head, Installation Restoration Section

Encl:
(1) Current Geophysical and Chemical Sampling Analysis Requirements

Copy to:
Environmental Protection Agency, Region IX (Attn: Julie Anderson)
Regional Water Quality Control Board (Attn: Tom Gandesbery)
NAS Alameda (Attn: Randy Cate)
Blind copy to:
1813, 1813BD, 1813AN, Admin Record FILE: ALAMEDA/NAS

1. Replicates

Reduce the number of replicate samples from 10% to 5% for all samples. Replicates will not be required for volatile organic compounds (VOCs) in soils.

2. Sample Blanks

Reduce the number of sample blanks from 10% to a minimum of 5% for water samples sent for volatile and semi-volatile organic analyses.

3. Blind Samples

Reduce the number of blind samples from 10% to a minimum of 5% of the samples sent to the laboratory.

DHS also believes that several geophysical analyses could be scaled back without impact to the data quality. Please provide DHS with a listing of the current sampling requirements (number and type of analysis - chemical and geophysical) for all sites at NAS Alameda. After a DHS review, we will contact you to discuss our recommendations.

RI/FS SOIL SAMPLING/ANALYSIS
PHASE 2B THROUGH 6*
NAS ALAMEDA, CALIFORNIA

PHASE	PHASE 2B			PHASE 3							TOTAL
LABORATORY ANALYSIS	BLDG 14	BLDG 459	BLDG 162	BLDG 41	BLDG 114	BLDG 10	BLDG 5	BLDGS 301 & 389	FIRE TRAINING AREA	BLDG 400	SAMPLES
SOIL (CHEMICAL)											
ASBESTOS	0	0	0	0	0	0	72	0	0	0	72
ASH CONTENT	0	10	15	0	0	3	0	3	0	0	31
BNA EXATRACTABLES	30	32	18	111	70	57	72	70	0	22	482
BTU VALUE	0	10	15	0	0	3	0	3	0	0	31
CATION-EXCHANGE CAPACITY	0	0	0	0	0	0	6	0	0	0	6
DIOXIN/FORANS	0	0	0	0	0	0	0	0	48	0	48
ETHYLENE DIBROMIDE (EPA 8010)	30	25	15	0	0	47	0	0	12	0	129
GROSS ALPHA AND BETA	0	0	0	0	0	0	0	0	0	0	0
HERBICIDES	0	0	0	0	70	0	0	0	0	0	70
MERCURY	30	0	0	0	70	0	0	0	0	0	100
METALS (ICP)	30	32	15	111	70	57	72	70	60	22	539
NUTRIENTS (INCL. CHLORINE)	0	20	30	0	0	6	0	3	0	0	59
ORGANOPHOSPHOROUS PESTICIDES	0	0	0	0	70	0	0	0	0	0	70
PESTICIDES/PCBS	0	32	18	92	70	57	0	70	60	0	399
PETROLUEM HYDROCARBONS	30	7	18	0	0	57	0	0	60	0	172
pH	30	10	15	3	2	3	6	3	12	18	102
TOTAL ORGANIC CARBON (TOC)	30	10	15	3	2	3	6	3	12	18	102
TOTAL CYANIDE	0	0	0	0	0	0	72	0	0	0	72
U226 AND U228	0	0	0	0	0	0	0	0	0	0	0
VOLATILE ORGANICS	30	25	15	92	58	47	59	12	12	18	368
SOIL (GEOTECHNICAL)											
ATTERBERG LIMITS	0	0	0	0	0	0	0	0	0	0	0
GRADATION	7	17	18	22	12	13	19	61	48	4	221
MODIFIED PROCTOR COMPACTION	0	0	0	3	0	0	6	0	0	0	9
MOISTURE CONTENT/DRY DENSITY	5	10	15	3	2	3	6	3	3	2	52
CONSOLIDATION (ONE DIMENSIONAL)	0	0	0	3	0	0	6	0	0	0	9
PERMEABILITY	12	17	18	22	14	13	19	61	51	6	233
SPECIFIC GRAVITY	0	0	0	0	0	3	6	3	0	0	12

* LABORATORY ANALYSES FOR PHASES 5 AND 6 WILL BE DETERMINED FOLLOWING RESULTS OF EXPLORATORY BORINGS (PHASE 1).

ENCLOSURE 1